

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/03/05

Date Received: 10/27/05

Project: Metro Self Monitor, PO# M107176, F&BI 510278

Date Extracted: 10/31/05

Date Analyzed: 10/31/05

**RESULTS FROM THE ANALYSIS OF WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA MASS SPECTROSCOPY
(ICP-MS)
(METHOD 200.8)**

Results Reported as $\mu\text{g/L}$ (ppb)

<u>Sample ID</u> Laboratory ID	<u>Cr</u>	<u>Cu</u>	<u>Ni</u>	<u>Zn</u>
M107176 510278-01	710	720	760	<50
Method Blank	<25	<50	<50	<50

Cr Chromium
Cu Copper
Ni Nickel
Zn Zinc

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**QUALITY ASSURANCE RESULTS
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA MASS SPECTROSCOPY
(METHOD 200.8)**

Laboratory Code: 510189-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	µg/L (ppb)	380	380	0	0-20
Copper	µg/L (ppb)	350	360	3	0-20
Nickel	µg/L (ppb)	470	470	0	0-20
Zinc	µg/L (ppb)	270	270	0	0-20

Laboratory Code: 510189-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	µg/L (ppb)	20	380	b	50-150
Copper	µg/L (ppb)	20	360	b	50-150
Lead	µg/L (ppb)	10	190	b	50-150
Zinc	µg/L (ppb)	50	270	b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	µg/L (ppb)	20	101	70-130
Copper	µg/L (ppb)	20	104	70-130
Lead	µg/L (ppb)	10	96	70-130
Zinc	µg/L (ppb)	50	99	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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e-mail: fbi@isomedia.com

November 3, 2005

DUPLICATE COPY

INVOICE # 05ACU1103-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M107176, F&BI 510278 - Results of testing
requested by Gerry Thompson for material submitted on October 27, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID # (b) (6)

510278

SAMPLE CHAIN OF CUSTODY

CM 10/27/05

A14

Send Report To

General Thompson

Company

Alaskan Copper Works

Address

628 S. Harvard St

City, State, ZIP

Seattle WA 98134

Phone #

206-382-8329

Fax #

206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

metro self monitor

PO #

M107176

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M107176	01	10/27/05	1230	H2O	1											

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

G. A. Thompson

Michael Erlich

COMPANY

Aew

F-Ring

DATE

10/27/05

L

TIME

12:55pm

L

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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November 3, 2005

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

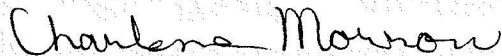
Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 27, 2005 from the Metro Self Monitor, PO# M107176, F&BI 510278 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow
Chemist

Enclosures
ACU1103R.DOC